

DEVICE FOR DIAGNOSTICS OF TESLA VEHICLES

LOKI has a complete set of functions necessary for repair and maintenance of Tesla Model S, Model X, Model 3, Model Y.

- provides diagnostic access to the central computer (CID, IC), utility functions of vehicle ECUs, settings, calibration, updates, error codes reading, analyzing, and erasing;
- is easy to install, connect and operate;
- has a user-friendly interface;
- is provided with free automatic software updates.

The equipment set includes:

- Module LOKI
- Cable LC001-CS – Cable CAN for Tesla Model S
- Cable LC002-LS – Cable LAN for Tesla Model S/X
- Cable LC003-CX – Cable CAN for Tesla Model SR, Model X
- Cable LC004-L3 – Cable LAN for Tesla Model 3
- Cable LC006 – Cable for Tesla Model 3, Model Y

Functions available by February, 2022:

- Can be used for diagnostics of Tesla vehicles: Model S, Model X, Model 3, Model Y;
- Complete diagnostics of Model 3 / Y / S / X on all firmwares (after 2021.4.12 firmware diagnostics is made via CAN)
- Live Data from CAN modules (Model 3/Y):
 - BMS (Battery Management System)
 - DI (Drive Inverter)
 - CP (Charge Port)
 - PCS (Power Conversation System)
 - EPAS (Electronic Power Assist Steering)
 - VCFRONT (Vehicle Control Front)
 - VCLEFT (Vehicle Control Left)
 - VCRIGHT (Vehicle Control Right)
 - DAS (Driving Autopilot System)
 - SCCM (Steering Column Control module)
- Live Data from CAN modules (Model S/X):
 - MCU (Media Control Unit)
 - THC (Thermal Heat Controller)
 - BMS (Battery Management System)
 - DI (Drive Inverter)
 - CHG (Charger)
 - CP (Charge Port)

- BDY (Body Controller)
- TAS (Air Suspension System)
- DAS (Driving Autopilot System)
- PARK (Park Assist Module)
- TPMS (Tire Pressure Monitor System)
- Self-testing of important blocks and systems of the car (Model S/X/3/Y with all firmwares)
- Vehicle updating with AP2\2.5\3.0 MX\MS\M3 manually;
- Navigation installation and setting: inclusive MS (Tegra / Intel), MX (Tegra / Intel), M3, **MODEL Y**;
- Firmware upgrade;
- Full change of vehicle configurations in Model S/X Tegra before 2020.48
- Full change of vehicle configurations in Model S/X Intel before 2020.48 and partial change after;
- Able to change the configuration on M3 on firmware before 2021.4.12, inclusively, without soldering;
- Alert codes reading and decoding;
- Service alert codes removal up to 2021.40;
- DTC clearing from different ECUs;
- Reading of a pre-set PIN code with subsequent deactivation of Valet Mode (before 2021.4.12). Online functions can be used for all later firmwares;
- Reading of a pre-set Pin code with subsequent deactivation of PIN to drive (before 2021.4.12). Online functions can be used for all later firmwares;
- Factory/Diagnostic/Developer Mode activation (on all firmware up to 2021.4.12 (Intel));
- Switching vehicle systems to service mode;
- Connecting of Units to the vehicle (Redeploy, Vin Learn)
- ECUs setting, adaptation, and calibration of units;
- Calibration of all seats on MX;
- Calibration of steering column on MX;
- Calibration of radar AP2.5\3.0 MS\MX\M3\MY;
- Removing special alert codes from BMS;
- Removing CRASH from TAS,
- Removing CRASH from SRS (except BOSCH V2);
- Autopilot Firmware Update
- Key Model S (if key is missing)
- Online functions (reading alerts and configuration, switching SIM card, resetting car passwords and protection on any firmware version, resetting updater, run redeploy, and much more (depending on car firmware))*

* - monthly subscription

Secured Configuration Features (only for Model 3)

- **Vin** - VIN car number. Is needed while MCU change or donor certificates use.
 - **Carcomputer_pn, carcomputer_sn** - MCU serial number. Is needed while MCU change.
 - **Country** - Country configuration change. Is need to change the algorithm of flashing lights to Europe, rearrangement of cars for the Asian market in to European
 - **Autopilot** – Change the type of autopilot, for example on FSD
 - **SuperchargingAccess** - Activation of supercharger (v1, v2)
 - **Performance Package** - Activation of Performance or Acceleration Boost depending on the type of engines
 - **Connectivity Package** - Activation of Premium Connectivity
 - **Softtranger**- Soft limit Removal of the battery capacity on the car where it is available
 - **Immersive Audio** - Activation of the audio system add-ons
 - The cable supports the work with M3 \ MY MCU (for m3 after 2020 and MY,
 - you need to re-solder the gateway chip, on the other with an open JTAG port)
- Secured Configuration is additional chargeable service allowing to expand the capacity of device.

It requires Loki, additional cable LC005 and software for work.

Plugin Key Fob Pairing for Model X Feature

- the plugin supports binding keys of all existing versions at the moment (SE v3 and SE v4) to cars on Tegra and Intel.

The kit will include a dongle for interacting with the key.

The Loki itself will be connected to the car via the CAN bus under the monitor with the complete Loki cable LC003-CX that comes with Loki.

Clean blank of the key is needed.

The plugin will require an internet connection to work.

Next Updates:

- Keys for M3

Physical Data:

NT.WT., kg - 0,42: weight of LOKI module + all the cables included in the equipment set

GR.WT., kg - 1,3: packed weight